Bioinformatician (f/m/d) – cancer single cell and spatial genomics

Location:
Vienna

Research group:
Sabine Taschner-Mandl Group

Working hours:
Fulltime

Are you looking to put your computational skills to the test?

Are you fascinated by cancer biology and using multi-omics data to devise new treatment avenues?

Then this project is for you!

We are looking for a Bioinformatician (f/m/d) for the analysis of single cell transcriptomics and multi-modal tissue imaging with a focus on spatial genomics and proteomics tissue data. In this role, you will work in a leading center for pediatric oncology. The Taschner-Mandl Lab tackles unresolved questions of pathogenesis of cancer in children using experimental and computational approaches (e.g. Fetahu IS, *Nat Comms*, 2023). You will have the unique opportunity to focus on developing advanced computational tools and methods for analyzing multi-modal tissue imaging and spatial tissue omics data at single-cell resolution, ultimately contributing to a better understanding of cancer development and metastasis and the creation of innovative therapies to combat neuroblastoma, a severe pediatric cancer.

Your tasks

You will...

- Analyze multi-modal single cell data, including spatial omics and high-plex images to identify clinically relevant biological signals.
- Develop and apply novel machine learning and deep learning methods, particularly in genomics and computer vision.
- Contribute to a prestigious research program with a clear and impactful mission.
- Collaborate within a dynamic, multi-disciplinary research team and receive joint supervision from computational and biological experts.
- Author manuscripts, present research findings at scientific conferences, and participate in advanced courses.
- Apply for PhD fellowships and acquire skills in obtaining research funding.
- Supervise and support junior team members, promoting a collaborative research environment.

Your profile

What you bring for this position:

- MSc degree (obtained or in final stages) in bioinformatics or related fields

- Background in molecular and cancer biology
- Experience in genomics, bioimage and/or spatial tissue analysis
- Solid understanding of statistics and mathematical principles
- Experience in machine learning and deep learning, ideally computer vision
- Skills in maintaining and creating code repositories (e.g., GitHub)
- Programming languages such as R and Python
- Proficiency in deep learning libraries such as PyTorch or TensorFlow
- Well-organized and self-motivated team player with proactive “getting things done’’ mentality

Our offer

Does this sound interesting? This is our offer to you:

- A challenging role in a meaningful, inspiring, and international environment
- An outstanding working atmosphere in young and dynamic team funded by a highly prestigious EXCELLENCE program
- Access to state-of-the-art infrastructure
- Flexible working hours, discounted lunch and other great benefits
- Great location in the center of Vienna, a capital of biomedical research in Europe with excellent quality of life
- A fair and attractive salary package starting at € 3.393,55 gross (14x per year) on full-time basis

Who we are

The St. Anna Children's Cancer Research Institute (St. Anna CCRI) is located in the heart of Vienna, the most livable city in the world and one of the most important sites for biomedical research in Europe. St. Anna CCRI is a multidisciplinary and internationally networked center of excellence whose goal is to contribute to a sustainable improvement in the cure rates of childhood and adolescent cancers through innovative research and development. Due to the close cooperation between clinic and research, St. Anna Children's Cancer Research offers the ideal environment for cutting-edge research at a high international level and its implementation in clinical practice.

St. Anna CCRI is an equal opportunity employer. We value diversity and are committed to providing a work environment of mutual respect to everyone without regard to race, colour, religion, national origin, age, gender identity or expression, disability, or any other characteristic protected by applicable laws, regulations and ordinances.

Find more information here: https://ccri.at/

Your application

We are looking forward to your application! Applications should at least contain your Curriculum Vitae, a cover letter, a list of publications (please mark/explain your three top contributions), the contact details of three references, and a link to your GitHub profile (if available).

The application deadline is the 20.09.2025. Applications will be reviewed on a rolling basis until the position is filled.

Apply now